Clarion®

Owner's manual & Installation manual
Mode d'emploi et manuel d'installation
Manual de instrucciones y de instalación

CZ202

CD/USB/MP3/WMA RECEIVER
LECTEUR CD/USB/MP3/WMA
RECEPTOR CD/USB/MP3/WMA

CLARION PRODUCT REGISTRATION INFORMATION

For USA and Canada only
www.clarion.com

Dear Customer:

Congratulations on your purchase of a Clarion mobile electronic products. We are confident that you'll enjoy your Clarion experience.

There are many benefits to registering your product. We invite you to visit our website at **www.clarion.com** to register your Clarion product.

We have made product registration simple with our easy to use website. The registration form is short and easy to complete. Once you're registered, we can keep you informed of important product information.

Register at **www.clarion.com** - it's easy to keep your Clarion product up to date.

INFORMATIONS DE L'ENREGISTREMENT DE PRODUITS CLARION

Pour les Étas Unis et le Canada seulement
www.clarion.com

Cher client:

Nous vous remercions d'avoir acheté ce produit électronique mobile Clarion. Nous sommes confiants que vous apprécierez votre expérience Clarion.

Il y a beaucoup d'avantage à enregistrer votre produits. Nous vous invitons à visiter notre site Web **www.clarion.com** pour enregistrer votre produit Clarion.

Nous avons facilité la tache d'enregistrement de produit simple et facile grâce à notre site Web. Le formulaire d'enregistrement est court et facile à compléter. Lorsque vous êtes enregistrer, nous pouvons vous tenir informé des informations important de produits.

Enregistrer à **www.clarion.com** - c'est facile de mettre à jour votre produit Clarion.

INFORMACIÓN DEL REGISTRO DE PRODUCTO DE CLARION

Para USA y Canada nomas
www.clarion.com

Querido Cliente:

Felicitaciones por su compra de producto electrónico móvil de Clarion. Estamos seguros que usted gozará de su experiencia con el producto de Clarion.

Hay muchas ventajas al registrar su producto. Le invitamos a que visite nuestro sitio en internet **www.clarion.com** para registrar su producto de Clarion.

Hemos hecho el registro de producto fácil en nuestro sitio. La forma de registro es corta y fácil de completar. Una vez que lo registre, podremos proporcionarle la información de su producto.

Registrese en **www.clarion.com** - es fácil mantener su producto de Clarion actualizado.

Contents

Thank you for purchasing this **Clarion** product.
- Please fully read this owner's manual before operating this equipment.
- Check the contents of the enclosed warranty card and store it in a safe place with this manual.

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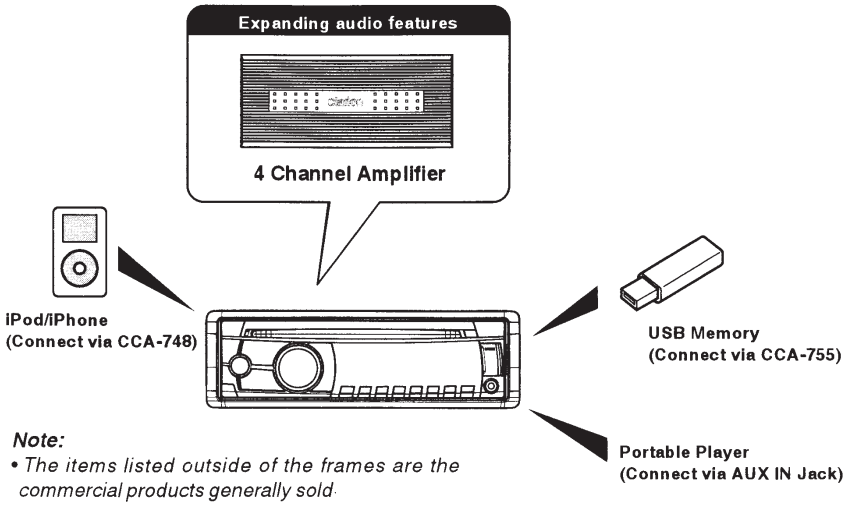
1. FEATURES

- ***Compatible with iPod® / iPhone® with PANDORA® internet radio App***
- ***Front Panel Auxiliary Input and 4ch RCA Output with Subwoofer Control***
- ***BEAT-EQ with 3 Band Parametric Equalizer and MAGNA BASS EX Dynamic Bass Enhancement***

Expanding Systems



Note:

- *The items listed outside of the frames are the commercial products generally sold.*
- *CCA-748 and CCA-755: Sold by separately.*

2. PRECAUTIONS

⚠ WARNING

For your safety, the driver should not operate the controls while driving.
Also, while driving, keep the volume to a level at which external sounds can be heard.

1. When the interior of the car is extremely cold and the player is used soon after switching on the heater, moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

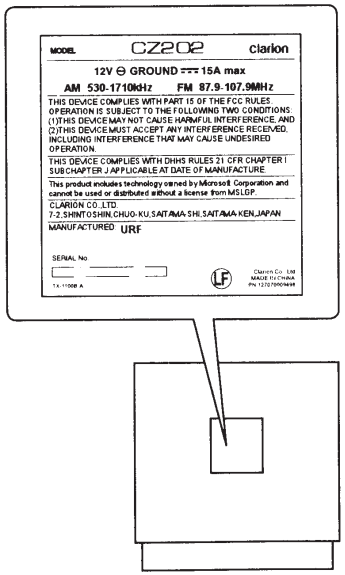
2. Driving on extremely bumpy or rough roads can cause the disc to skip during playback.

3. This unit uses precision parts and components for its operation. In the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts. Contact your Clarion dealer or service center.

4. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
   These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio technician for help.

5. "Made for iPod," and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.
   Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.
   iPhone and iPod are trademarks of Apple Inc., registered in the U.S. and other countries.
6. Pandora, the Pandora logo and other Pandora marks are trademarks or registered trademarks of Pandora Media, Inc. or its subsidiaries worldwide.
   "If you have any issues with the Pandora application on your mobile phone, please direct them to pandora-support@pandora.com."

English


MODEL CZ202 Clarion
12V ⊖ GROUND ⎓ 15A max
AM 530-1710kHz FM 87.9-107.9MHz
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1)THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2)THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.
THIS DEVICE COMPLIES WITH DHHS RULES 21 CFR CHAPTER I SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.
This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MSLGP.
CLARION CO.,LTD.
7-2,SHINTOSHIN,CHUO-KU,SAITAMA-SHI,SAITAMA-KEN,JAPAN
MANUFACTURED URF
SERIAL No

INFORMATION FOR USERS:

Changes or modifications to this product unapproved by the manufacturer will void the warranty and will violate FCC approval.

Front Panel / Generalities

For a longer service life, be sure to read the following cautions.

- Do not allow any liquids on the unit from drinks, umbrellas, etc. Doing so may damage the internal circuitry.
- Do not disassemble or modify the unit in any way. Doing so may result in damage.
- Do not let cigarettes burn the display. Doing so may damage or deform the body.
- If a problem should occur, have the unit inspected at your store of purchase.
- The remote control unit may not work if the remote control sensor is exposed to direct sunlight.

Cleaning the body

- Use a soft, dry cloth and gently wipe off any dirt or dust.
- For tough dirt, apply some neutral detergent diluted in water to a soft cloth, wipe off the dirt gently, then wipe again with a dry cloth.
- Do not use benzene, thinner, car cleaner, etc., as these substances may damage the body or cause the paint to peel. Also, leaving rubber or plastic products in contact with the body for long periods of time may cause stains.

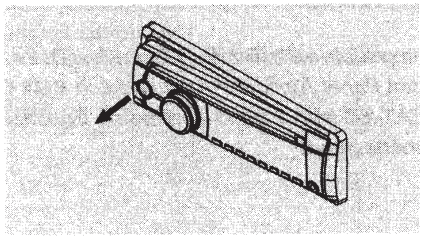
USB Port

- The USB memory stick may stick out when inserted,so it may cause danger during driving. When connect USB memory stick to the main unit, please use a USB extension cable(CCA-755).
- The USB memory sticks must be recognized as "USB mass storage class" to work properly. Some models may not operate correctly.
  When the memorized data is lost or damaged by any chance, Clarion shall not be liable for any damage.
  When using an USB memory stick, we recommend that you backup your data stored on it before using a personal computer etc.
- Data files may be broken when using USB memory sticks in the following situation:
  When disconnecting the USB memory stick or turning the power off during reading data.
  When affected by static electricity or electric noise.
  Connect/disconnect the USB memory stick when it is not accessed.
- Connecting with the computer is not covered.

Remove the DCP

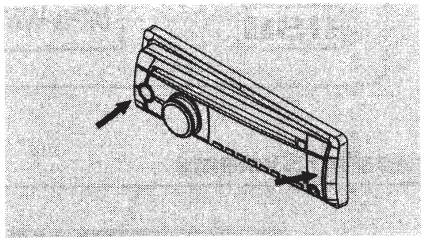
The control panel can be detached to prevent theft. When detaching the control panel, keep it in the safety place and prevent scratches. We recommend taking the DCP (DETACHABLE CONTROL PANEL) with you when leaving the car.

1. Press the [**SRC** / ⏻] button (1 sec.) to turn off the power.
2. Deeply push in [**OPEN**] button to unlock the DCP.
3. Hold the side popped out, remove the DCP.



Attach the DCP

1. Hold the DCP and ensure that the panel faces towards you. Set the right side of the DCP into the DCP bracket.
2. Press the left side of the DCP until it locks.



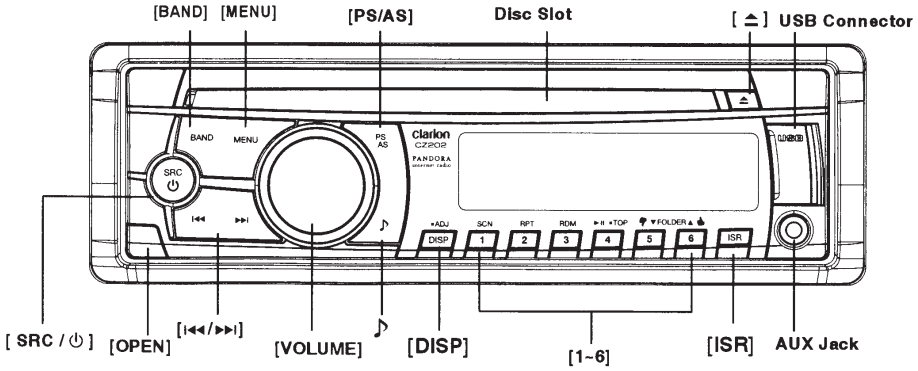
⚠ CAUTION

- The DCP can easily be damaged by shocks. After removing it, be carefully not to drop it or subject it to strong shocks.
- Once the [**OPEN**] button is pressed and DCP is unlocked, car vibrations can cause the DCP to fall.
- The connector for the main unit and DCP is extremely important. Be careful not to damage it by pressing on it with fingernails, screwdrivers, etc.

Note:
If the DCP is dirty, wipe off the dirt with a soft, dry cloth only.

3. CONTROLS

Operational Panel



Names of Buttons

[SRC / ⏻] Button
- Power / Toggle the audio source

[BAND] Button
- Select tuner band(RADIO mode)
- Skip(PANDORA mode)

[MENU] Button
- **MP3/WMA** mode – Search function.
- **CD** mode – No function.
- **RADIO** mode – No function.
- **AUX** mode – No function.
- **USB** mode – Search function
- **iPod** mode – iPod menu
- **PANDORA mode** – Station select

[⏏] Button
- Press to eject disc.

[⏮ , ⏭] Buttons
- Previous / next track
- Search (long press)
- Station up/down(PANDORA mode)

[Open] Button
- Unlock the front panel.

[PS / AS] Button
- Scan play / Preset scan
- Auto memory store (long press)

[♪] Button
- Sound effect setting

[VOLUME] Knob
- Adjust volume level / Confirm (press)
- Bookmark (PANDORA mode)

[ISR] Button
- Recall ISR station stored in memory and store current station in ISR memory (long press)

[1~6] Buttons
- [1] Button: Scan play / Preset station 1 / Create new station(PANDORA mode)
- [2] Button: Repeat play / Preset station 2.
- [3] Button: Random play / Preset station 3.
- [4] Button: Play / Pause / Top play (long press) / Preset station 4.
- [5] Button: Previous folder / Preset station 5. 10 tracks down (long press) / Thumbs up(PANDORA mode)
- [6] Button: Next folder / Preset station 6. 10 tracks up (long press) / Thumbs down(PANDORA mode)

[DISP] Button
- Display switch
- System setup (long press)

Remote Control (RCX001)

[SRC / ⏻] Button
- Toggle the audio source
- Power on / Power off (long press)

[⏮ , ⏭] Buttons
- Preset station up/down
- Previous / next track
- Search (long press)
- Station up/down (PANDORA mode)

[SCN/PS/AS] Button
- Scan play / Preset scan
- Auto memory store (long press)
- Thumbs down (PANDORA mode)

[BAND/TOP] Button
- Select tuner band (RADIO mode)
- Top play (long press-CD/MP3/WMA mode))
- Skip (PANDORA mode)

[▲ , ▼] Buttons
- Volume up / down

[▶II] Button
- Play / Pause

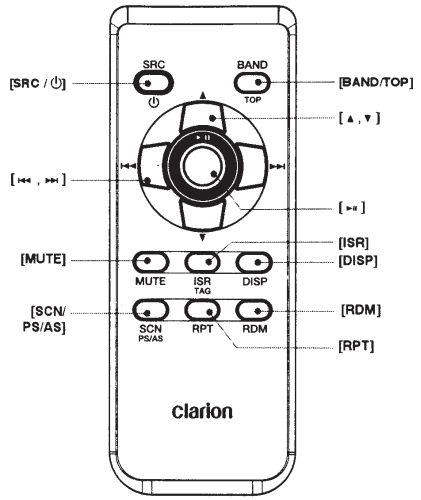
[ISR] Button
- Recall ISR station stored in memory and store current station in ISR memory (long press)

[DISP] Button
- Display switch

[RDM] Button
- Random play
- Thumbs up (PANDORA mode)

[RPT] Button
- Repeat play
- Bookmark (PANDORA mode)

[MUTE] Button
- Mute the volume

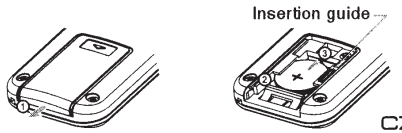


Notes of remote control using

1. Aim the remote control at the remote sensor on the unit.
2. Remove the battery from the remote control or insert a battery insulator if the battery has not been used for a month or longer.
3. DO NOT store the remote control under direct sunlight or in high temperature environment, or it may not function properly.
4. Use "button shaped" lithium battery "CR2025" (3V) only.
5. DO NOT subject battery to recharge, disassemble, heat or dispose in fire or water.
6. Insert the battery in proper direction according to the (+) and (-) polarities.
7. Store the battery in a place where children cannot reach to avoid the risk of accident.

Inserting the Battery

1. Slide remote control unit's rear cover in the direction shown.
2. Insert battery (CR2025) into insertion guides with printed side (+) up.
3. Press battery into compartment as shown.
4. Replace and slide cover until it clicks into place.



English

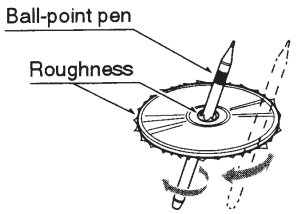
English

4. CAUTIONS ON HANDLING

Handling Discs

Handling

- New discs may have some roughness around the edges. If such discs are used, the player may not work or the sound may skip. Use a ball-point pen or the like to remove any roughness from the edge of the disc.



- Never stick labels on the surface of the disc or mark the surface with a pencil or pen.
- Never play a disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a disc, you may not be able to get it back out of the player or it may damage the player.
- Do not use discs that have large scratches, are misshapen, cracked, etc.
  Use of such discs may cause misoperation or damage.
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Do not use commercially available disc protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

Storage

- Do not expose discs to direct sunlight or any heat source.
- Do not expose discs to excess humidity or dust.
- Do not expose discs to direct heat from heaters.

Cleaning

- To remove fingermarks and dust, use a soft cloth and wipe in a straight line from the center of the disc to the circumference.
- Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean discs.
- After using special disc cleaner, let the disc dry off well before playing it.

On Discs

- Never turn off the power and remove the unit from the car with a disc loaded.

⚠ CAUTION

For your safety, the driver should not insert or eject a disc while driving.

5. OPERATIONS

Basic Operations

Note:
- Refer to the diagrams in "3. CONTROLS" when reading this chapter.

⚠ CAUTION

When the unit is turned on, starting and stopping the engine with its volume raised to the maximum level may harm your hearing.
Be careful about adjusting the volume.

Power on / off

Notes:
- Start the engine before using this unit.
- Be careful about using this unit for a long time without running the engine. If you drain the car's battery too far, you may not be able to start the engine and this can reduce the service life of the battery.

1. Start the engine. The power button / knob illumination on the unit will light up.

Engine ON position

2. Press the [**SRC** / ⏻] button on the front panel or the remote control to turn on the power under standby mode. The unit goes back to the last status after power on.
3. Press and hold the [**SRC** / ⏻] button on the front panel or the remote control to turn off the power.

Mute

Press the [**MUTE**] button on the remote control to mute the volume from the unit.

Note:
Doing the operation above again or adjusting volume will release muting.

Volume adjustment

Turn the [**VOLUME**] knob on the front panel or press the [▲] or [▼] button on the remote control.
The adjustable range of volume is 0 to 40.

⚠ CAUTION

While driving, keep the volume level at which external sounds can still be heard.

Playing source selection

Press [**SRC** / ⏻] button on the front panel or remote control repeatedly to choose desired playing source.

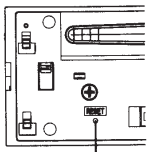
Notes:
Playing source selection means selecting which mode, such as **DISC** mode, **RADIO** mode and **AUX** mode.

Display system time

Press the [**DISP**] button on the front panel or [**DISP**] button on the remote control to switch the display information from clock, station information (radio mode), or track information (CD mode).

RESET

Note:
* When the [**RESET**] button is pressed, preset radio stations, titles, etc. stored in memory are cleared.



System Setup

In any mode, press and hold [**DISP**] button to enter system setup. Press [⏮] or [⏭] button to select options, rotate the [**VOLUME**] knob to adjust.

CLOCK
Press the [**VOLUME**] knob to enter clock setting mode, rotate the [**VOLUME**] knob to set clock, press [⏮] or [⏭] button to select hour or minute, press and hold the [**VOLUME**] knob to confirm.

DX/LO (RADIO mode)
Rotate the [**VOLUME**] knob to choose radio local or distant at **RADIO** mode.
- **LO**: Only stations with strong signal can be received.
- **DX**: Stations with strong and weak signals can be received.

AUX SENS (AUX mode)
Rotate the [**VOLUME**] knob to choose AUX Input sensitivity LOW, MID or HIGH at **AUX** mode.

SCRN SVR: ON/OFF
Rotate the [**VOLUME**] knob to choose SCRN SVR (screen saver) ON or OFF.

SCROLL: ON/OFF
For track information that is longer than the display panel:
When SCROLL is ON, the LCD will scroll the ID3 TAG information across the display, e.g.: TRACK->FOLDER->FILE->ALBUM->TITLE->ARTIST->TRACK->...
When SCROLL is OFF, the LCD will display one of the ID3 TAG information, the default is TRACK, but user can adjust it to other ID3 TAG information by press [**DISP**] button.

S-CTRL (IPOD mode) : ON/OFF
Rotate the [**VOLUME**] knob to choose S-CTRL (Simple control) ON or OFF.
* Refer to P9.

DIMMER: ON/OFF
Rotate the [**VOLUME**] knob to choose DIMMER ON or OFF.
ON: LCD dimmer is active when small light of vehicle is turned ON.
- **OFF**: LCD always maximum brightness regardless of the vehicle small light.

PANDORA: ON/OFF
Select OFF if the PANDORA application has not been installed on your iPod touch or iPhone.

REAR/S-W
Rotate the [**VOLUME**] knob to choose REAR or S-WOOFER (SUB-WOOFER).

BEEP: ON/OFF
Rotate the [**VOLUME**] knob to choose button beep sound ON or OFF.

12/24H
Rotate the [**VOLUME**] knob to choose time format: 12 or 24 hours.

Audio Setup

Press the [♪] button to enter sound effect setting mode. First press shows current EQ. Rotate the [**VOLUME**] knob to change the BEAT EQ in this order:
OFF -> B-BOOST -> IMPACT -> EXCITE -> CUSTOM
Rotate the [**VOLUME**] knob to change the CUSTOM, and press the [**VOLUME**] knob, the press [⏮] or [⏭] button to select it including: BAS-G -> BAS-F -> BAS-Q -> MID-G -> MID-F -> MID-Q -> TRE-G -> TRE-F, rotate the [**VOLUME**] knob to select a value.
BAS-G / MID-G / TRE-G: (-7)- (+7)
BAS-F: 60 / 80 / 100 / 200
BAS-Q: 1.0 / 1.25 / 1.5 / 2.0
MID-F: 500 / 1K / 1.5K / 2.5K
MID-Q: 0.5 / 0.75 / 1.00 / 1.25
TRE-F: 10.0K / 12.5K / 15.0K / 17.5K
Press the [♪] button, then press [⏮] or [⏭] button to select USER preset including:
BALANCE -> FADER -> M-B EX -> LPF(low pass filter) -> S-W VOL (Subwoofer Volume), rotate the [**VOLUME**] knob to select a value.
BALANCE:LEFT 1-7->CENTER->RIGHT 1-7
FADER:FRONT 1-7->CENTER->REAR 1-7
M-BEX: ON/OFF
LPF: THROUGH/80/120/160
SUBW VOL: (-6)-(+6)

Audio Setup

Radio Operations

Select tuner as playing source

Press [**SRC** / ⏻] button once or more to enter **RADIO** mode.

Selecting the radio band

Press the [**BAND**] button on the panel or on the remote control to select one radio band among FM1, FM2, FM3, AM.

Manual tuning

During manual tuning, the frequency will be changed in steps.
Press the [⏮] or [⏭] button on the panel to tune in a higher / lower station.
Press the [⏮] or [⏭] button on the remote control to select preset stations.

Auto tuning

Press and hold the [⏮] or [⏭] button to seek a higher / lower station.
To stop searching, repeat the operation above or press other buttons having radio functions.

Note:

When a station is received, searching stops and the station is played.

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press the [**PS/AS**] button.
2. When a desired station is tuned in, press the [**PS/AS**] button again to continue receiving that station.

Note:

Be careful not to press and hold the [**PS/AS**] button for 1 second or longer, otherwise the auto store function will begin and the unit starts storing stations.

Auto store

Only stations with sufficient signal strength will be detected and stored in the memory.
Press and hold the [**PS/AS**] button (1 sec.) to start automatic station search.
To stop auto store, press other buttons having radio functions.

Notes:

1. After auto store, the previous stored stations will be overwritten.
2. The unit has 4 bands, such as FM1, FM2, FM3 and AM. FM3 and AM can store by AS function. Each bands can store 6 stations, CZ202 can store 24 stations in total.

English

English

Radio Operations

Manual store

When one expected radio station has been detected, press and hold number button 1-6 to store it in the memory.

Recall the stored stations

Press one numeric button among 1 to 6 on the panel to select the corresponding stored station.

Local seeking

When LOCAL seeking is ON, only those radio stations with strong radio signal could be received.
To select LOCAL function, press and hold the [**DISP**] button on the front panel, then press [▶▶I] button repeatedly until **LO** or **DX** displays on the screen, and rotate the **[VOLUME]** knob to select Local or Distant mode.

Note:

The number of radio stations that can be received will decrease after the local seeking mode is ON.

CD/MP3/WMA Operations

This unit can playback MP3/WMA files

Notes:

- *If you play a WMA file with active DRM (Digital Rights Management), there will be no audio.*

To disable DRM
(Digital Rights Management)
When using Windows Media Player 9/10/11, click on Tool -> Options -> Copy Music tab, then under Copy settings, unclick the Check box for copy project music. Then, reconstruct files.
Personally constructed WMA files are used at your own responsibility.

Precautions when creating MP3/WMA file

Usable sampling rates and bit rates

1. MP3: Sampling rate 8 kHz-48 kHz, Bit rate 8 kbps-320 kbps / VBR
2. WMA: Bit rate 8 kbps-320 kbps

File extensions

1. Always add a file extension ".MP3", ".WMA" to MP3, WMA file by using single byte letters. If you add a file extension other than specified or forget to add the file extension, the file cannot be played.
2. Files without MP3/WMA data will not play. The files will be played soundlessly if you attempt to play files without MP3/WMA data.
   * When VBR files are played, the play time display may differ the play location.
   * When MP3/WMA files are played, a little no sound part is caused between tunes.

Logical format (File system)

1. When writing MP3/WMA file on a CD-R disc or CD-RW disc, please select "ISO9660 level 1, 2 or Joliet" or Apple ISO as the writing software format. Normal play may not be possible if the disc is recorded on another format.
2. The folder name and file name can be displayed as the title during MP3/WMA play but the title must be within 32 single byte alphabetical letters and numerals (including an extension).
3. Do not affix a name to a file inside a folder having the same name.

CD/MP3/WMA Operations

Folder structure
A disc with a folder having more than 8 hierarchical levels will be impossible.

Number of files or folders

1. Up to 999 files can be recognized per folder.
   Up to 3000 files can be played.
2. Tracks are played in the order that they were recorded onto a disc. (Tracks may not always be played in the order displayed on the PC.)
3. Some noise may occur depending on the type of encoder software used while recording.

Eject function

Just pressing the [⏏] button, ejects the disc .

Notes:

- If you force a CD into before auto reloading, this can damage the CD.
- If a CD (12 cm) is left ejected for 15 seconds, the CD is automatically reloaded (Auto reload).

Listening to a disc already loaded in the unit

Press the [**SRC** / ⏻] button to select the CD/ MP3/WMA mode.
When the unit enters the CD/MP3/WMA mode, play starts automatically.

Loading a CD

Insert a CD into the center of the CD SLOT with label facing up. The CD plays automatically after loading.

Notes:

- Never insert foreign objects into the CD SLOT.
- If the CD is not inserted easily, there may be another CD in the mechanism or the unit may require service.
- Discs without the or mark and CD-ROMs cannot be played by this unit.
- Some CD-R/CD-RW discs may not be usable.

Pausing play

1. Press the [**4**] button to pause play. "**PAUSE**" appears in the display.
2. To resume CD play, press the [**4**] button again.

Displaying CD titles

This unit can display title data for MP3/WMA disc.
When SCROLL is OFF, each time you press the [**DISP**] button to change the title display.

MP3/WMA disc
Track -> Folder -> File title -> Album -> Title -> Artist -> Track ...

Notes:

- If MP3/WMA disc has no ID3 TAG,, "**NO TITLE**" appears in the display.
- Only ASCII characters can be displayed in Tags.

Selecting a track

Track-up

1. Press the [▶▶I] button to move ahead to the beginning of the next track.
2. Each time you press the [▶▶I] button, the track advances ahead to the beginning of the next track.
3. For MP3/WMA disc, press and hold the [**6**] button (1 sec.) to move ahead to +10 tracks.

Track-down

1. Press the [I◀◀] button to move back to the beginning of the current track.
2. Press the [I◀◀] button twice to move back to the beginning of the previous track.
3. For MP3/WMA disc, press and hold the [**5**] button (1 sec.) to move back to -10 tracks.

Fast-forward/Fast-reverse

Fast-forward
Press and hold the [▶▶I] button .
Fast-reverse

CD/MP3/WMA Operations

Press and hold the [⏮] button .
* For MP3/WMA discs, it takes some time until the start of searching and between tracks. In addition, some errors may occur in the play time.

Folder Select

This function allows you to select a folder containing MP3/WMA files and start playing from the first track in the folder.
1. Press the [**5**] or [**6**] button.
   Press the [**6**] button to move the next folder. Press the [**5**] button to move the previous folder.
2. To select a track, press the [⏮] or [⏭] button.

Search Function

1. Press the [**MENU**] button to enter FOLD SCH mode. Press the [**VOLUME**] button to enter the folder list search mode.
2. Turn the [**VOLUME**] knob to select a folder.
3. Press the [**VOLUME**] button to enter the file list search mode. And then the track list appears in the display.
4. Turn the [**VOLUME**] knob to select a track.
5. Press the [**VOLUME**] knob to play.

* When play back MP3 / WMA file, this function is performed in the current folder.

Top function

The top function resets the CD player to the first track of the disc. Press and hold the **[4]** button (1 sec.) to play the first track (track No. 1) on the disc.
* In case of MP3/WMA, the first track of the current folder will be played.

Other various play functions

Scan play

This function allows you to locate and play the first 10 seconds of all the tracks recorded on a disc.
Press the [**1**] button to perform scan play.

Repeat play

This function allows you to play the current track repeatedly or play a track currently being played in the MP3/WMA folder repeatedly.

CD:
1. Press the [**2**] button once or more until "**RPT ON**" appears on the LCD to perform repeat play.
2. Press [**2**] button again to cancel repeat playback, "**RPT OFF**" appears on the LCD.

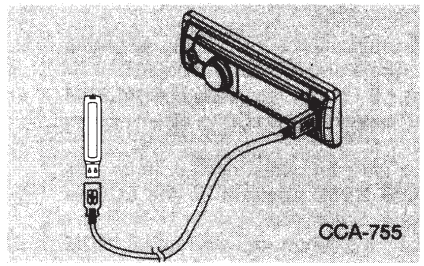
MP3/WMA:
1. Press the **[2]** button once or more until "**TRACK RPT**" appears on the display to perform repeat play, and "**RPT**" segment lights on.
2. For MP3/WMA files, press **[2]** button repeatedly until "**FOLD RPT**" appears on the display for folder repeat play.
3. Press **[2]** button repeatedly until "**RPT OFF**" appears on the display to cancel repeat playback, and "**RPT**" segment goes off.

Random play

This function allows you to play all tracks recorded on a disc in a random order.
Press the [**3**] button to perform random play.

USB Operations

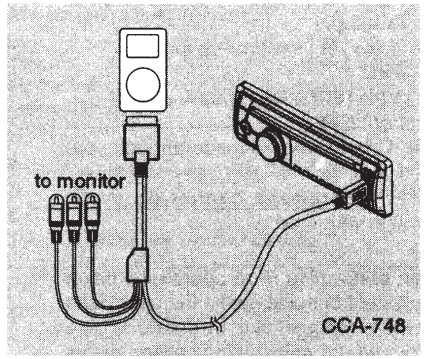
1. Open the cover of the USB connector to the right. Insert a USB cable (CCA-755) into the USB connector. Insert a USB device into the USB cable.
   When connecting a USB device, the unit will read the files automatically.
2. To remove the USB device, you should first select another source or turn off the power, in order to avoid damaging the USB device. Then take off the USB device. Open the cover to the left.
3. Operation is same as MP3/WMA operation.



iPod & iPhone Operations

Connect

Connect an iPod or iPhone to the USB connector via CCA-748 cable.
When connecting a device, the unit will read the files automatically. The track information display on the screen once playback start.



MENU

In the S-CTRL OFF mode, press [**MENU**] button,rotate the [**VOLUME**] knob select "**MUSIC**" or "**VIDEO**".
Select "**MUSIC**", press the [**VOLUME**] knob, then rotate the [**VOLUME**] knob to show PLAY LISTS / ARTISTS / ALBUMS / GENRES / SONGS / COMPOSERS, press and rotate the [**VOLUME**] knob to select a desired option, then press the [**VOLUME**] knob to confirm.
Select "**VIDEO**", press the [**VOLUME**] knob, then rotate the [**VOLUME**] knob to show MOVIES / MUSIC VIDEO / TV SHOWS / VIDEO PODCASTS / RENTALS, press and rotate the [**VOLUME**] knob to select a desired option, then press the [**VOLUME**] knob to confirm.

NOTE:

- VIDEO MENU item is different by the model of connected iPod and language setting.

Repeat play

This function allows you to play the current track repeatedly or play all tracks in your iPod/iPhone repeatedly.
1. Press the [**2**] button once or more until "**RPT ON**" appears on the LCD to perform repeat play.
2. Press [**2**] button repeatedly until "**RPT OFF**" appears on the LCD to cancel repeat playback.

iPod & iPhone Operations

Random play

This function allows you to play all tracks recorded on a disc in a random order.

1. Press **[3]** button repeatedly until "**ALBUM RDM**" appears on the LCD for album random play.
2. Press the **[3]** button once or more until "**SONG RDM**" appears on the LCD to perform random play.
3. Press **[3]** button repeatedly until "**RDM OFF**" appears on the LCD to cancel random playback.

Setting iPod simple control mode

Use this function if you wish to operate through your iPod connected to this unit via the USB cable.

* The factory default setting is " **OFF** ".

1. Press and hold [**DISP**] button to enter system setup.
2. Press [⏮] or [⏭] button to select " **S-CTRL**".
3. Rotate the **[VOLUME]** knob to select " **ON** " or " **OFF** " .
   - **ON**: Operations are made through your iPod.
   - **OFF**: Operations cannot be made through your iPod.

Notes:

- When performing iPod operations using simple control mode, make the operations slowly. If repetitive operations are performed too quickly, unforeseen errors may occur.
- When performing iPod operations using simple control mode, please do not operate the iPod and the unit at the same time, otherwise there may be unexpected event happened.
- Some iPod models do not support this function. Consult your nearest **Clarion** dealer or website to confirm which models do not support this function.

iPod menu alphabet search

This function searches the subfolders for desired alphabetical letters.

1. Press the **[MENU]** button to select the iPod menu mode.
2. Press the **[VOLUME]** knob to switch between categories.
   MUSIC: PLAYLIST, ARTISTS, ALBUMS, GENRES, SONGS, COMPOSERS
   VIDEO: MOVIES, MUSIC VIDEOS, TV SHOWS, VIDEO PADCASTS, RENTALS
3. Press the **[VOLUME]** knob. (The contents of the category are displayed.)
4. Press and hold the **[DISP]** button (1 sec.).
5. Rotate the **[VOLUME]** knob to select the desired letter to search.
6. Press the **[DISP]** button again to next perform search.
7. Press the [**VOLUME**] knob to confirm.

Listening to PANDORA

You can listen to PANDORA internet radio by connecting an iPod/iPhone that has PANDORA Application already installed.
To start streaming, connect the iPod/iPhone with PANDORA already launched.
When the unit displays "PLEASE LAUNCH PANDORA APPLICATION ON MOBILE DEVICE" in PANDORA mode, please launch the PANDORA Application by operating the iPod/iPhone connected.

1. Press the [**SRC**/ ⏻] button to enter the PANDONA mode.

Selecting a station from list

Press the [**MENU**] button and select "BY DATE" or "A-Z" by rotating the [**VOLUME**] knob and press the [**VOLUME**] knob.

- BY DATE: List in an created date order
- A-Z: List in an alphabetical order

Go to next station or previous station(an alphabetical order)

Press the [⏭] button on the panel or remote control to go to next station.
Press the [⏮] button on the panel or remote control to go to previous station.

iPod & iPhone Operations

Thumbs up/down

1. Press the [**6**] button on the panel or the [**RDM**] button on the remote control for the thumbs up.
2. Press the [**5**] button on the panel or the [**SCN**] button on the remote control for the thumbs down.

Notes:

- You can personalize your stations by "thumbs up" or "thumbs down".
- PANDORA limits the number of thumbs down allowed on their service.
  If you attempt to thumbs down songs beyond the limit, the current song continues to playback.

BOOKMARK artist or song

Short-press the [**VOLUME**] knob or the [**RPT**] buton on the remote control to Bookmark artist.
Long-press the [**VOLUME**] knob or the [**RPT**] button on the remote control to Bookmark current artist of the song.

Creating new stations

Short-press the **[1]** button on the panel to create a new Station from the current artist.
Long-press the [**1**] button on the panel to create a new song.

Notes:

If the name of the station you wish to create for a song title or an artist name is the same as the station name currently playing, "NOW PLAY" appears on the display and the station will not be created.

Skip

Press the [**BAND**] button on the panel or on the remote control for the next song in station.

Notes:

- PANDORA limits the number of skips allowed on their service. If you attempt to skip songs beyond the limit, "SKIP LIMIT" is displayed.

Play/Pause

Press the [4] button on the panel or the [⏯] button on the remote control for play/pause.

AUX Operations

Press **[SRC / ⏻]** button on the panel to select "**AUX**".
AUX is just for audio content with 3.5mm Jack connector plugged into audio-in socket on the front panel.

AUX Input sensitivity setting

1. Press and hold the **[DISP]** button (1 sec.).
2. Turn the **[VOLUME]** knob to select "**AUX SENS**".
3. If the output level of connected external audio player is "**HIGH**", rotate **[VOLUME]** knob and choose "**LOW**". And if the output level is "**LOW**", choose "**HIGH**".

6. TROUBLE SHOOTING

GENERAL

Problem	Cause	Measure
Unit can not power on.	Unit fuse blown.	Replace with new fuse of correct rating.
	Car battery fuse blown.	Replace with new fuse of correct rating.
Unit can not power on. Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power and remove the DCP. Press the **[RESET]** button with a thin rod. Note: When the **[RESET]** button is pressed, turn off the ACC power.* * When the **[RESET]** button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.
No/low audio output.	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion.	Non-standard disc used.	Use a standard disc.
	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Unit resets itself when engine is off.	Incorrect connection between ACC and Battery.	Check wiring and correct.

DISC Player

Problem	Cause	Measure
Disc cannot be loaded.	Another disc is already loaded.	Eject the disc before loading the new one.
	There is an object install installed the unit.	Remove the object inside the unit.
Sound skips or is noisy.	Compact disc is dirty.	Clean the compact disc with a soft cloth.
	Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
Sound is bad when power is first turned on.	Condensation may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with power on.

USB Devices

Problem	Cause	Measure
USB device cannot be inserted.	The USB device has been inserted with wrong direction.	Reversing the connection direction of the USB device, try it again.
	The USB connector is broken.	Replace with a new USB device.
USB device is not recognized.	The USB device is damaged.	Disconnect the USB device and reconnect. If the device is still not recognized, try replacing with a different USB device.
	Connectors are loose.	
No sound heard with the display "**No File**" shown.	No MP3/WMA file is stored in the USB device.	Store these files properly in the USB device.
Sound skips or is noisy.	MP3/WMA files are not encoded properly.	Use MP3/WMA files encoded properly.

English

English

7. ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.
Take the measures described below to solve the problem.

Display	Cause	Measure
ERROR 3	Disc is inserted incorrectly.	Eject the disc then reload it properly.
	The disc format is not supported.	Try another disc.
ERROR 5	This is a failure of deck's mechanism.	Consult your store of purchase.

If an error display other than the ones described above appears, press the **[RESET]** button. If the problem persists, turn off the power and consult your store of purchase.

* When the **[RESET]** button is pressed, frequencies of radio stations, titles, etc. stored in memory are cleared.

8. SPECIFICATIONS

FM Tuner

Frequency range: 87.9-107.9MHz
Usable sensitivity: 8dBf
Frequency response: 30Hz-15kHz
Stereo separation: 30dB(1kHz)
Signal/noise ratio: >55dB

AM Tuner

Frequency range: 530-1710kHz
Usable sensitivity (S/N=20dB): 30dBμ

CD Player

System: Disc digital audio system
Frequency response: 20Hz-20kHz
Signal/noise ratio: >94dB
Total harmonic distortion: Less than 0.1% (1kHz)
Channel separation: >60dB

MP3/WMA mode

MP3 sampling rate: 8 kHz to 48 kHz
MP3 bit rate: 8 kbps to 320 kbps / VBR
WMA bit rate: 8 kbps to 320 kbps
Logical format: ISO9660 level 1,2
Joliet file system

USB

Specification: USB 1.0/2.0
Playable audio format:
MP3(.mp3): MPEG 1/2/Audio Layer-3
WMA(.wma): Ver 7/8/9.1/9.2

Audio Amplifier

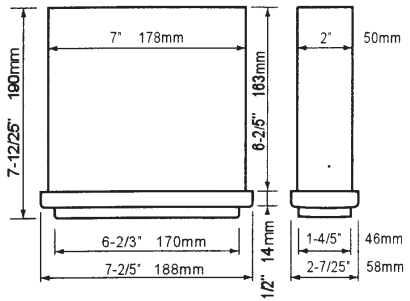
Maximum power output:
180W (45W x 4)
Speaker impedance: 4Ω (4 to 8 Ω allowable)

Input

Audio input sensitivity:
High: 320mV (at 1V output)
Mid: 650mV (at 1V output)
Low: 1.3V (at 1V output)
(input impedance 10 kΩ or greater)
Aux-in level: ≤ 2V

General

Power supply voltage:
14.4VDC (10.8 to 15.6V allowable),
negative ground
Pre-Amp output voltage:
2.0V (CD play mode: 1kHz, 0dB, 10kΩ load)
Fuse: 15A
Dimensions of the Main Unit:
188mm Width x 58mm Height x 190mm Depth
7-2/5(width) x 2-7/25(Height) x 7-12/25(Depth)
Weight of the Main Unit: 2.87lb. (1.30kg)
Dimensions of the Remote Control unit:
43mm Width x 11mm Height x 113mm Depth
1-2/3(Width) x 2/5(Height) x 4-2/5(Depth)
Weight of the Remote Control Unit:
1.16oz. (36g) (including battery)



Notes:

- Specifications and design are subject to change without notice for further improvement.

Power Output:
19W RMS x 4 Channels at 4Ω and 1% THD+N

Signal to Noise Ratio:
94dBA (reference: 1W into 4)

9. INSTALLATION / WIRE CONNECTION GUIDE

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4) Cautions on Installation 12
5) Installing the Source Unit 12
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7) Wiring and Connections 14
8) Connecting the accessories 14

1) Before Starting

1. This set is exclusively for use in cars with a negative ground 12 V power supply.
2. Read these instructions carefully.
3. Be sure to disconnect the battery "terminal" before starting. This is to prevent short circuits during installation. (Figure 1)

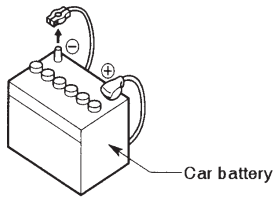


Figure 1

2) Package Contents

Source unit	1	Wire connector	1
Front panel	1	Remote control unit (with battery)	1
Trim ring	1	Owner's manual	1
Mounting bracket	1	Warranty card	1
Screws M5x6 mm	4	Special screw (Front panel lock)	1
L-key	2		

3) General Cautions

1. Do not open the case. There are no user serviceable parts inside. If you drop anything into the unit during installation, consult your dealer or an authorized **Clarion** service center.
2. Use a soft, dry cloth to clean the case. Never use a rough cloth, thinner, benzine, or alcohol etc. For tough dirt, apply a little cold or warm water to a soft cloth and wipe off the dirt gently.

4) Cautions on Installation

1. Prepare all articles necessary for installing the source unit before starting.
2. Install the unit within 30° of the horizontal plane. (Figure 2)
3. If you have to do any work on the car body, such as drilling holes, consult your car dealer beforehand.
4. Use the enclosed screws for installation.
   Using other screws can cause damage.
   (Figure 3)

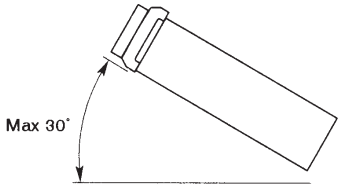


Figure 2

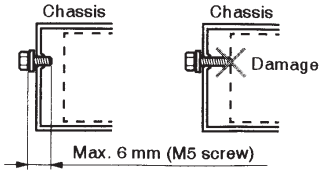


Figure 3

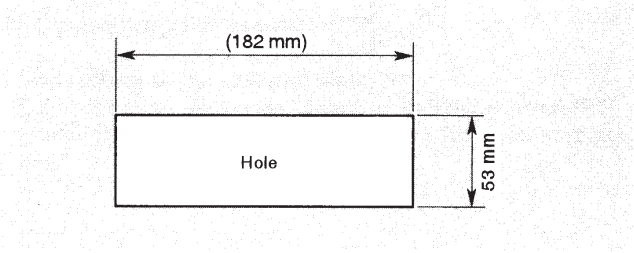
5) Installing the Source Unit

1. Place the mounting bracket into the instrument panel, use a screwdriver to bend each stopper of the mounting bracket inward, then secure the stopper.
2. Wire as shown in Section 7) .
3. Insert the source unit into the mounting bracket until it locks.
4. Take care of the top and bottom of the trim ring and mount it so that all the hooks are locked.

Notes:

1. Some car models require special mounting kits for proper installation. Consult your **Clarion** dealer for details.
2. Fasten the front stopper securely to prevent the source unit from coming loose.

- **Console opening dimensions**



English

English

Notes of installation

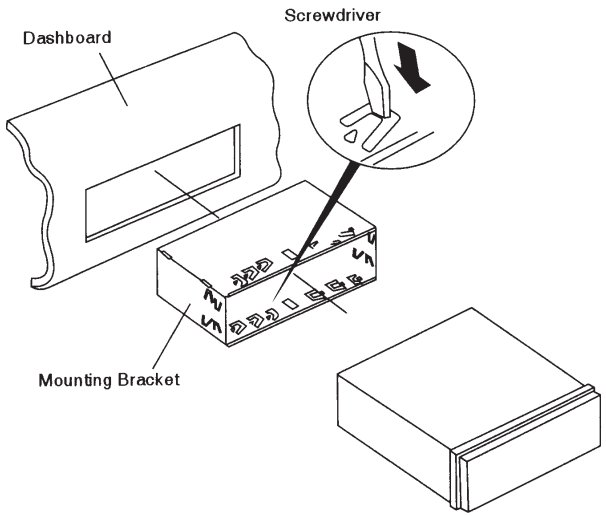
1. Before installation, please make sure proper connections are conducted and the unit operates normally. Improper connection may result in damage to the unit.
2. Use only accessories designed and manufactured for this unit and other unauthorized accessories may result in damage to the unit.
3. Before installation, please fasten all power cables.
4. DO NOT install the unit in the place where close to hot area to prevent damage to electrical components such as the laser head.
5. Install the unit horizontally. Installing the unit more than 30 degree vertically may result in worse performance.
6. To prevent electric spark, connect the positive pole first and then the negative pole.
7. DO NOT block the cooling fan exit to ensure sufficient heating dissipation of this unit, or it may result in damage to this unit.

Unit Installation

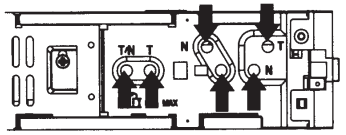
Method A

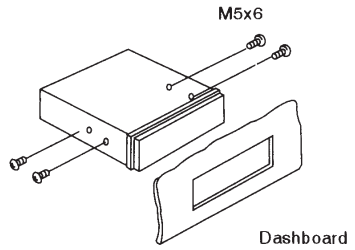
1. Insert mounting bracket into dash board, choose appropriate mounting tab according to the gap width, bending the mounting tab outwards with a screwdriver to fix the mounting bracket in place.

2. Slide the unit into the bracket until you hear a click sound.



Method B

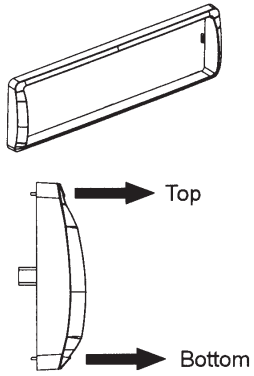




1. Insert this unit directly to the opening of the dashboard.
2. Place M5x6 cylindrical screw through the holes of the mounting frame located inside the opening to holes of the unit and fasten the screws to left & right.

Trim Ring installation

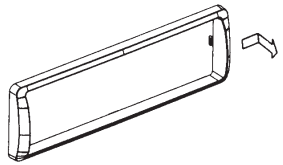
Attach the trim ring around the front panel. Take care of the top and bottom of the trim ring and mount it so that all the hooks are locked.



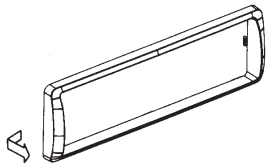
6) Removing the Source Unit

Disassemble trim ring

1. Push the trim ring to right and pull out the right part.

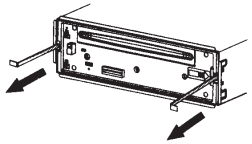


2. Push the trim ring to left and pull out the left part.



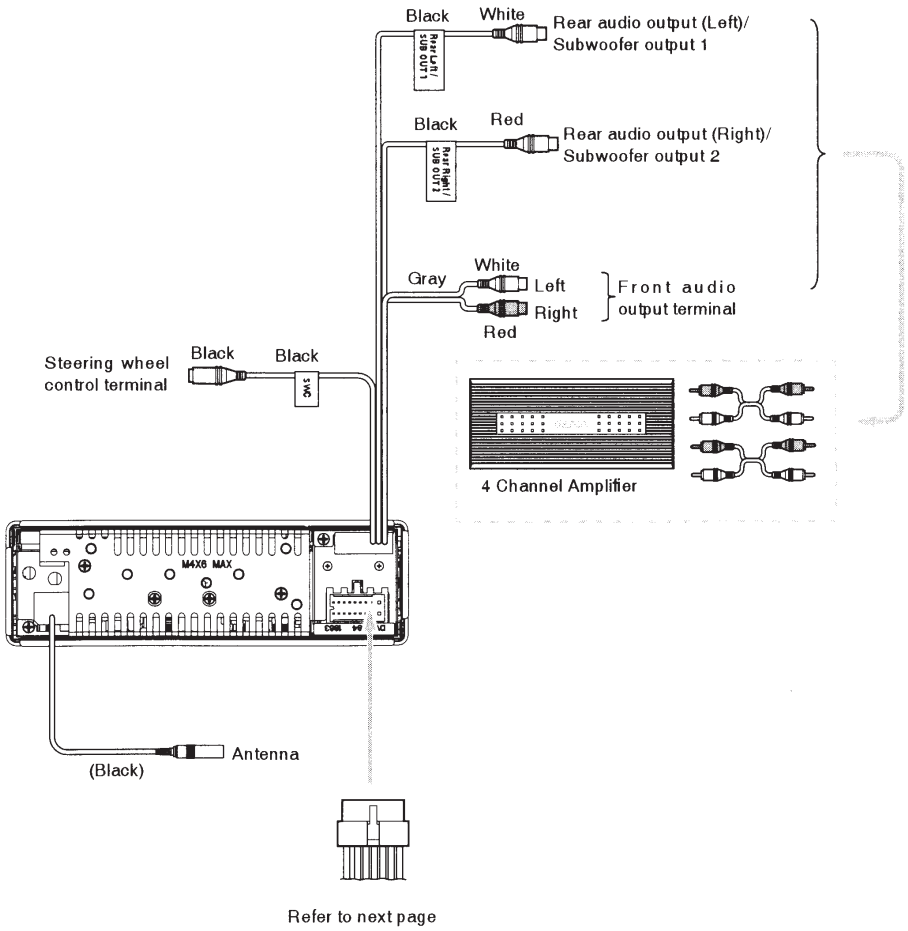
Disassemble the unit

1. Switch off the power.
2. Remove the panel.
3. Remove the trim ring.
4. Insert the removal keys straight back until they lock, then pull the unit out.



5. Disconnect all the wires.

7) Wiring and Connections



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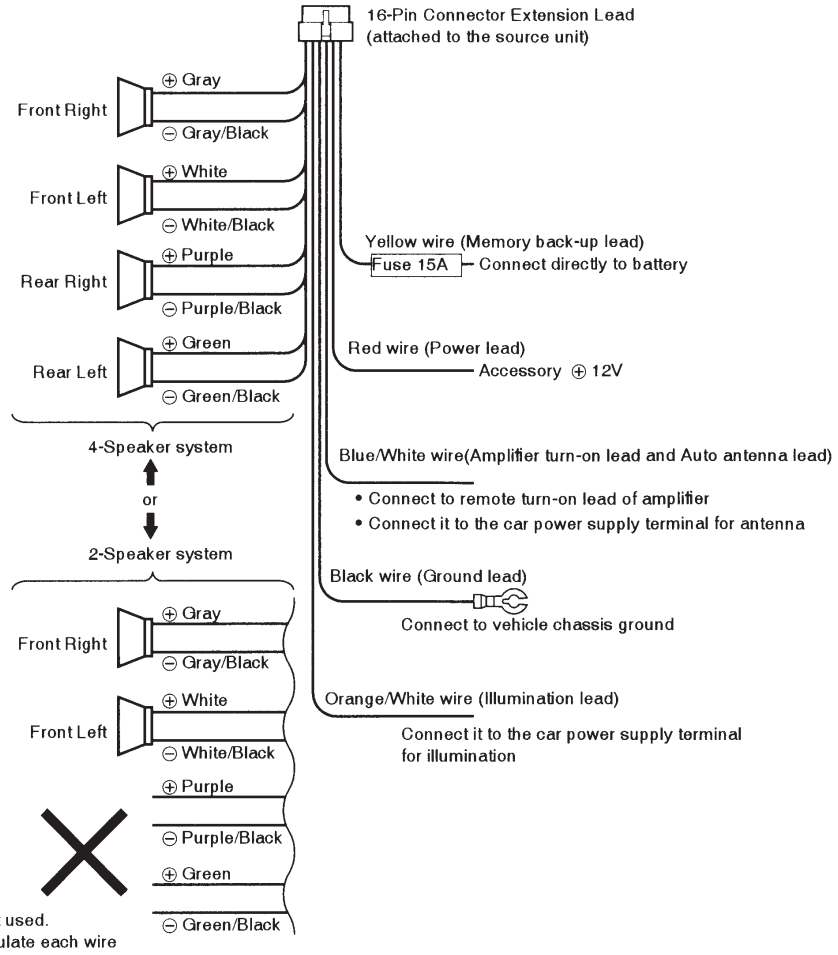

8) Connecting the accessories

- **Connecting to the external amplifier**
  External amplifiers can be connected to the 4 channel RCA output connections. Ensure that the connectors are not grounded or shorted to prevent damage to the unit.

Clarion Co., Ltd.

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Français

Clarion®

GARANTIE LIMITÉE DE 1 AN CLARION

Pour le Canada et les États-Unis seulement

Ce produit Clarion vendu par marchand autorisé Clarion est garanti contre tous défauts de matériel et de mise en œuvre pour une durée de **un (1) an** à compter de la date de vente initiale quand l'achat **ET** l'installation ont été effectués chez un marchand autorisé Clarion.

Tous câblages, fils et autres accessoires Clarion achetés chez un marchand autorisé Clarion, sont garantis contre tous défauts de matériel et de mise en œuvre pour une durée de quatre-vingt-dix (90) jours de la date d'achat initiale.

TOUT ACHAT DE PRODUITS CLARION EFFECTUÉ CHEZ UN MARCHAND NON-AUTORISÉ CLARION SERA SOUMIS À DES RESTRICTIONS DE GRANANTIES DÉCRI CI-DESOUS.

Les conditions de cette garantie limitée et l'implication de la responsabilité de Clarion Corporation of America "Clarion" sous cette garantie limitée sont les suivantes:

1. **DANS LE CAS DE LA GARANTIE LIMITÉE DE UN (1) AN, UNE PREUVE D'ACHAT ET UNE PREUVE D'INSTALLATION SONT REQUISES. DES INFORMATIONS SUPPLÉMENTAIRES CONCERNANT LES CENTRES DES SERVICES AUTORISÉS PAR CLARION PEUVENT ÊTRE OBTENUES AUX ADRESSES À LA FIN DE CE DOCUMENT.**
2. Cette Garantie Limitée sera annulée si un dommage est survenu au bien lors d'un service effectué par personne ou entreprise qui n'est pas accrédité comme un Centre de Service et Garantie Clarion.
3. Cette Garantie Limitée n'est pas applicable à un aucun produit sujet à l'abus, négligence, accidentés, installation ou utilisation incorrects ou que les numéros de série ont été modifiés, obstrué ou effacé, ou qui a été raccordés, installés, ajustés ou réparés autrement indiqué par Clarion.
4. Cette Garantie Limitée ne couvre pas des interférences électrostatiques, électriques, ni les ajustements ou nettoyage de la tête de lecture (en cas de radio cassette) ou éléments laser, ni les frais reliés à la manutention pour le retrait ou la réinstallation
5. La responsabilité de Clarion sous cette Garantie Limitée est limitée uniquement à la réparation ou au remplacement du produit, qui est sujet uniquement à la discrétion de Clarion.
6. Ce produit doit est livrée dans son emballage d'origine ou équivalent. Le colis doit être entièrement assuré et tous frais de transport doivent être prépayés. Clarion n'assumera aucune responsabilité en cas de perte ou dommages survenue lors du transport.
7. **TOUS PRODUITS CLARION ACQUIS PAR UNE ENTREMISE AUTRE QU'UN MARCHAND AUTORISÉ PAR CLARION, INCLUANT TOUS ACHATS VIA UN MARCHAND VIRTUEL (ACHAT INTERNET) QUI N'EST PAS AUTORISÉ PAR CLARION, NE SONT PAS COUVERTS PAR LES GARANTIES LIMITÉES DE CLARION, ET CE, EN ACCORD AVEC LES LIMITATIONS DÉFINIES PAR LA LOI. DANS LE CAS OÙ LES LOIS APPLICABLES NE PERMETTENT PAS L'ÉLIMINATION DES GARANTIES SOUS CES CONDITIONS, LA PÉRIODE DE GARANTIE LIMITÉE QUI S'APPLIQUE AU PRODUIT SERA DE QUINZE (15) JOURS À PARTIR DE LA DATE D'ACHAT INITIALE.**
8. **AUCUNE GARANTIE IMPLICITE NE POURRA S'ÉTENDRE AU-DELÀ DE LA PÉRIODE DE GARANTIE DÉCRITE CI-DESSUS, ET CE, EN ACCORD AVEC LES LIMITES DÉFINIES PAR LA LOI. CLARION NE POURRA EN AUCUN CAS ÊTRE TENUE RESPONSABLE DES PERMETS OU DOMMAGES DIRECTS OU INDIRECTS DU À L'UTILISATION OU L'IMPOSSIBILITÉ DÀUTILISATON DU PRODUIT. PUISQUE CERTAINS ÉTATS NE PERMETTENT PAS DE LIMITER LA DURÉE DES GARANTIES IMPLICITES, OU DE LIMITER LA RESPONSABILITÉ EN CAS DE DOMMAGES DIRECTS OU INDIRECTS, CES LIMITATIONS OU EXCLUSIONS PEUVENT NE PAS S'APPLIQUER À VOUS.**
9. **CETTE GARANTIE LIMITÉE VOUS DONNE DES DROITS LÉGAUX PRÉCIS. VOUS POUVEZ POSSÉDER DES DROITS SUPPLÉMENTAIRES SELON VOTRE LIEU DE RÉSIDENCE.**
10. Les lois de l'état de la Californie contrôlent totalement cette garantie limitée, son interprétation et sa mise en exécution.
11. Si vous éprouvez des problèmes de performance du produit pendant la période de garantie, veuillez communiquer avec Clarion ou visitez notre site Web à l'adresse ci-dessous afin d'obtenir une résolution de tout problème relié aux produits Clarion.

Aux États-Unis:
Clarion Corporation of America
Attn:Customer Service Manager
6200 Gateway Drive Cypress, CA 90630
1-800-GO-CLARION
www.clarion.com

Au In Canada:
Clarion Canada Inc.
Centre de Service et Garantie
2239 Winston Park Drive Oakville,
Ontario L6H 5R1 (905)829-4600
www.clarion.com

Clarion

CLARION 1 YEAR LIMITED WARRANTY

For USA and Canada only

This Clarion product purchased from an authorized Clarion dealer are warranted against all defects in materials and workmanship for a period of **one (1) year** from the date of original purchase, when purchased from **AND** installed by an authorized Clarion dealer.

All Clarion cables, wires and other accessories if purchased from an authorized Clarion dealer are warranted against all defects in materials and workmanship for ninety (90) days from the date of original purchase.

ALL PURCHASES OF CLARION PRODUCTS FROM NON-AUTHORIZED CLARION DEALERS ARE SUBJECT TO FURTHER WARRANTY RESTRICTIONS AS DESCRIBED BELOW.

The conditions of this Limited Warranty and the extent of responsibility of Clarion Corporation of America ("Clarion") under this Limited Warranty are as follows :

1. **PROOF OF DATE OF PURCHASE FROM AN AUTHORIZED CLARION DEALER WILL BE REQUIRED FOR WARRANTY SERVICE OF THIS PRODUCT. CENTERS MAY BE OBTAINED BY CONTACTING CLARION AT THE ADDRESS LISTED BELOW.**
2. This Limited Warranty will become void if service performed by anyone other than an approved Clarion Warranty Service Center results in damage to the product.
3. This Limited Warranty does not apply to any product which has been subject to misuse, neglect or accident, or which has had the serial number altered, defaced or removed, or which has been connected, installed, adjusted or repaired, other than in accordance with the instructions furnished by Clarion.
4. This Limited Warranty does not cover car static or other electrical interferences, tape head or laser pick-up cleaning or adjustments, or labor costs for the removal or reinstallation of the unit for repair.
5. The sole responsibility of Clarion under this Limited Warranty shall be limited to the repair of the product or replacement of the product, at the sole discretion of Clarion.
6. Product must be shipped in its original carton or equivalent carton, fully insured, with shipping charges prepaid. Clarion will not assume any responsibility for any loss or damage incurred in shipping.
7. **CLARION PRODUCTS PURCHASED FROM A SOURCE OTHER THAN AN AUTHORIZED CLARION DEALER, INCLUDING ANY AND ALL PURCHASES VIA THE INTERNET FROM A NON INTERNET AUTHORIZED CLARION DEALER, SHALL NOT BE COVERED BY ANY CLARION LIMITED WARRANTY TO THE EXTENT ALLOWED BY APPLICABLE LAW. IN THE EVENT AND TO THE EXTENT APPLICABLE LAW PROHIBITS ELIMINATION OF WARRANTIES UNDER THESE CIRCUMSTANCES, THE APPLICABLE LIMITED WARRANTY PERIOD SHALL BE DEEMED TO BE FIFTEEN (15) DAYS FROM THE DATE OF ORIGINAL PURCHASE.**
8. **ALL IMPLIED WARRANTIES EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW SHALL HAVE NO GREATER DURATION THAN THE WARRANTY PERIOD SET FORTH ABOVE. UNDER NO CIRCUMSTANCES SHALL CLARION BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.**
9. **THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.**
10. The laws of the State of California shall govern and control this Limited Warranty, its interpretation and enforcement.
11. Should you have any difficulties with the performance of this product during the warranty period, please call Clarion or visit our web site for a listing of Authorized Warranty Service Centers in your area. You may also contact Clarion Customer Service at the address listed below for any service help you may need with Clarion products.

In USA:
Clarion Corporation of America
Attn:Customer Service Manager
6200 Gateway Drive
Cypress, CA 90630
1-800-GO-CLARION
www.clarion.com

In Canada:
Clarion Canada Inc.
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2239 Winston Park Drive
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